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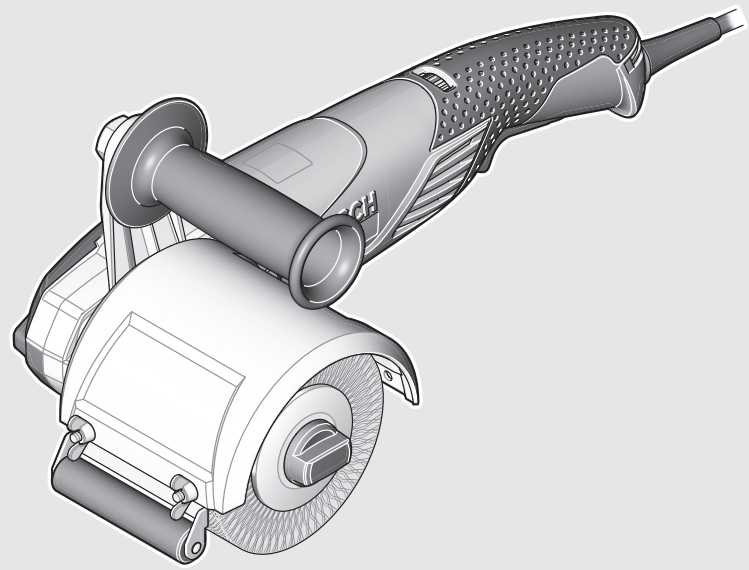

Robert Bosch GmbH
Power Tools Division
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Germany

www.bosch-pt.com

3 609 929 C51 (2013.06) O / 175 **EURO**

3 609 929 C51

GSI 14 CE Professional

BOSCH

de Originalbetriebsanleitung
en Original instructions
fr Notice originale
es Manual original
pt Manual original
it Istruzioni originali
nl Oorspronkelijke gebruiksaanwijzing
da Original brugsanvisning
sv Bruksanvisning i original
no Original driftsinstruks
fi Alkuperäiset ohjeet
el Πρωτότυπο οδηγιών χρήσης
tr Orijinal işletme talimatı
pl Instrukcja oryginalna
cs Původní návod k používání
sk Pôvodný návod na použitie
hu Eredeti használati utasítás
ru Оригинальное руководство по эксплуатации
uk Оригінальна інструкція з експлуатації
kk Пайдалану нұсқаулығының түпнұсқасы
ro Instrucţiuni originale
bg Оригинална инструкция
mk Оригинално упатство за работа
sr Originalno uputstvo za rad
sl Izvirna navodila
hr Originalne upute za rad
et Algupärane kasutusjuhend
lv Instrukcijas oriģinālvalodā
lt Originali instrukcija
ar تعليمات التشغيل الأصلية
fa دفتزچه راهنمای اصلی

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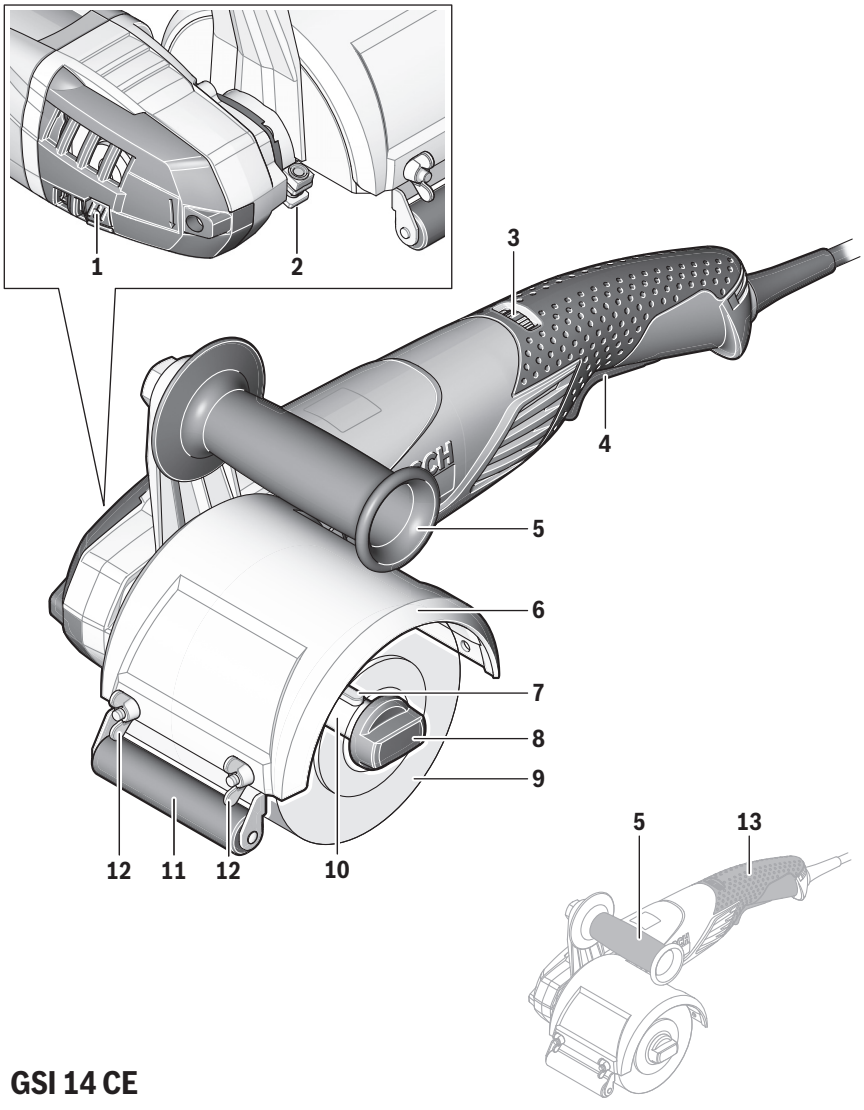

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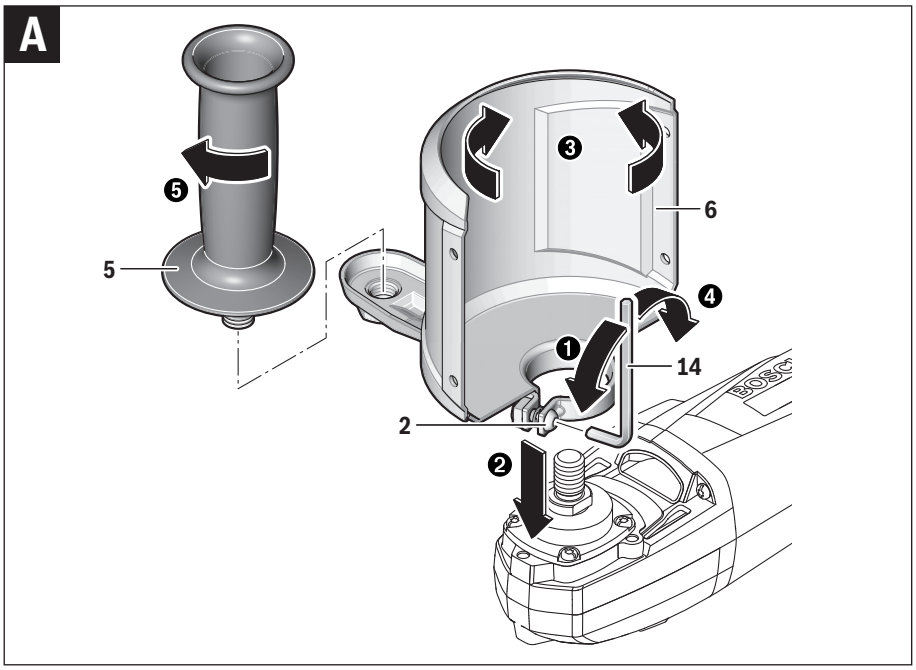

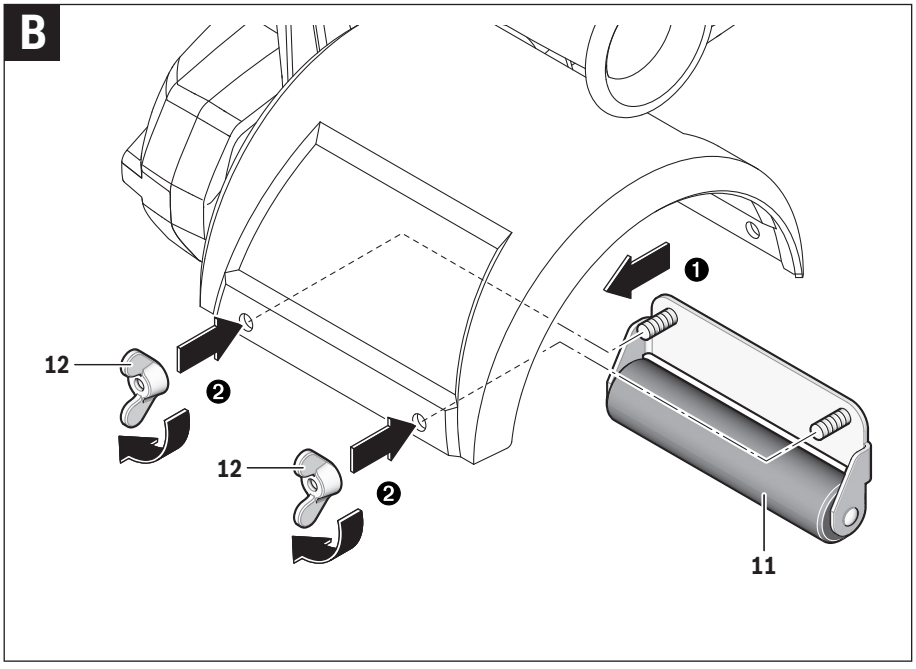

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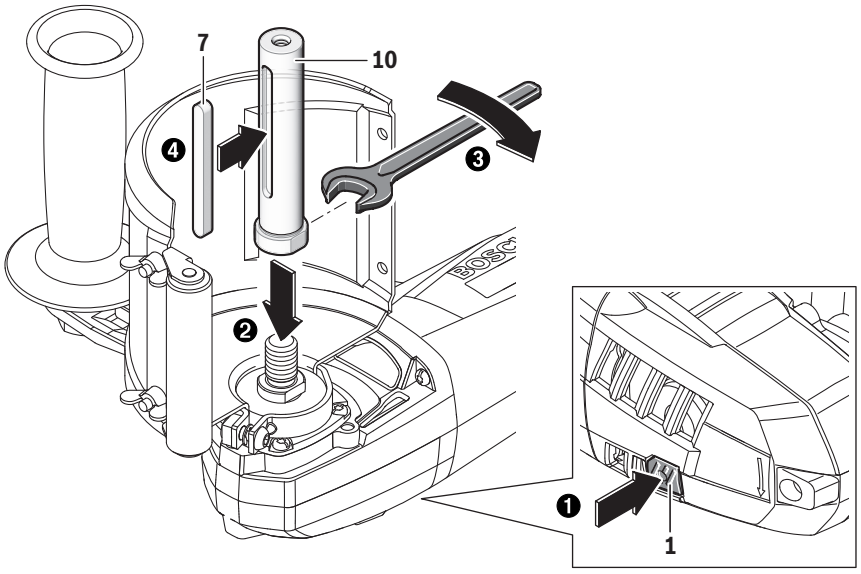

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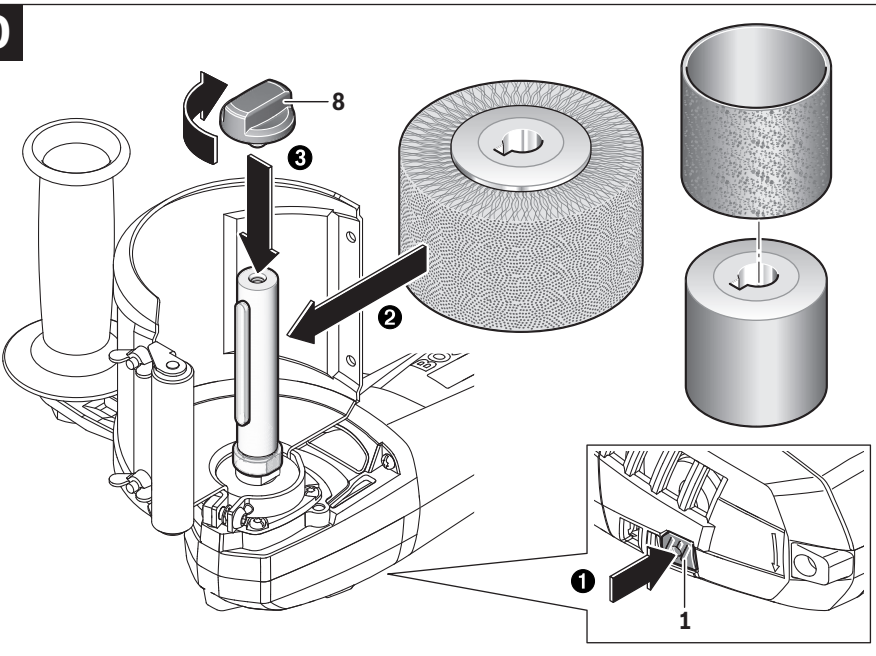

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Kundendienst und Anwendungsberatung

Der Kundendienst beantwortet Ihre Fragen zu Reparatur und Wartung Ihres Produkts sowie zu Ersatzteilen. Explosionszeichnungen und Informationen zu Ersatzteilen finden Sie auch unter:

www.bosch-pt.com

Das Bosch-Anwendungsberatungs-Team hilft Ihnen gerne bei Fragen zu unseren Produkten und deren Zubehör.

www.powertool-portal.de, das Internetportal für Handwerker und Heimwerker.

Geben Sie bei allen Rückfragen und Ersatzteilbestellungen bitte unbedingt die 10-stellige Sachnummer laut Typenschild des Elektrowerkzeuges an.

Deutschland

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Entsorgung

Elektrowerkzeuge, Zubehör und Verpackungen sollen einer umweltgerechten Wiederverwertung zugeführt werden.

Werfen Sie Elektrowerkzeuge nicht in den Hausmüll!

Nur für EU-Länder:

Gemäß der Europäischen Richtlinie 2012/19/EU über Elektro- und Elektronik-Altgeräte und ihrer Umsetzung in nationales Recht müssen nicht mehr gebrauchsfähige Elektrowerkzeuge getrennt gesammelt und einer umweltgerechten Wiederverwertung zugeführt werden.

Änderungen vorbehalten.

English

Safety Notes

General Power Tool Safety Warnings

WARNING **Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges and moving parts.** Damaged or entangled cords increase the risk of electric shock.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

Personal safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

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- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

Power tool use and care

- **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

Service

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

Safety Warnings for Satin-Finishers

Safety warnings common for sanding and sanding with sanding discs

- **This power tool is to be used as a sander. Observe all safety warnings, instructions, illustrations and data supplied with the power tool.** Non-observance of the following instructions can lead to electric shock, fire and/or serious injury.
- **This power tool is not suitable for working with wire brushes, polishing and cutting.** Operations for which the power tool was not designed may create a hazard and cause personal injury.
- **Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** Just because the accessory can be attached to your power tool, it does not assure safe operation.
- **The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.** Accessories running faster than their rated speed can break and fly apart.
- **The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool.** Incorrectly sized accessories cannot be adequately controlled.
- **Threaded mounting of accessories must match the grinder spindle thread. For accessories mounted by flanges, the arbour hole of the accessory must fit the locating diameter of the flange.** Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.
- **Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, sanding drum for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute.** Damaged accessories will normally break apart during this test time.
- **Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and shop apron capable of stopping small abrasive or workpiece fragments.** The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtrating particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
- **Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment.** Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.

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- ▶ **Hold power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- ▶ **Position the cord clear of the spinning accessory.** If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning wheel.
- ▶ **Never lay the power tool down until the accessory has come to a complete stop.** The spinning wheel may grab the surface and pull the power tool out of your control.
- ▶ **Do not run the power tool while carrying it at your side.** Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.
- ▶ **Regularly clean the power tool's air vents.** The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
- ▶ **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.
- ▶ **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

Kickback and related warnings

- ▶ Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding.
  For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.
  Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.
- ▶ **Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up.** The operator can control torque reactions or kickback forces, if proper precautions are taken.
- ▶ **Never place your hand near the rotating accessory.** Accessory may kickback over your hand.
- ▶ **Do not position your body in the area where power tool will move if kickback occurs.** Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.
- ▶ **Use special care when working corners, sharp edges, etc. Avoid bouncing and snagging the accessory.** Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.
- ▶ **Do not attach a saw chain woodcarving blade or toothed saw blade.** Such blades create frequent kickback and loss of control.

Safety warnings specific for sanding operations

- ▶ **Do not use excessively oversized sanding disc paper. Follow manufacturers recommendations, when selecting sanding paper.** Larger sanding paper extending beyond the sanding pad presents a laceration hazard and may cause snagging, tearing of the disc, or kickback.

Additional safety warnings

Wear safety goggles.

- ▶ **Release the On/Off switch and set it to the off position when the power supply is interrupted, e. g., in case of a power failure or when the mains plug is pulled.** This prevents uncontrolled restarting.
- ▶ **Always operate the power tool with an application tool mounted.** Operation without an application tool is dangerous and can lead to injuries.

Products sold in GB only: Your product is fitted with an BS 1363/A approved electric plug with internal fuse (ASTA approved to BS 1362).
If the plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place by an authorised customer service agent. The replacement plug should have the same fuse rating as the original plug.
The severed plug must be disposed of to avoid a possible shock hazard and should never be inserted into a mains socket elsewhere.
Products sold in AUS and NZ only: Use a residual current device (RCD) with a rated residual current of 30 mA or less.

Product Description and Specifications

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

While reading the operating instructions, unfold the graphics page for the machine and leave it open.

Intended Use

The power tool is intended for dry sanding, structuring, satin-finishing and matt-finishing of metal surfaces.

Product Features

The numbering of the product features refers to the illustration of the machine on the graphics page.

1 Spindle lock
2 Screw for clamping the dust cover

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3 Thumbwheel for speed preselection
4 On/Off switch
5 Auxiliary handle (insulated gripping surface)
6 Dust cover
7 Feather key
8 Locking screw
9 Tool bit*
10 Spindle extension
11 Guide roller
12 Wing nuts
13 Handle (insulated gripping surface)
14 Allen key

***Accessories shown or described are not part of the standard delivery scope of the product. A complete overview of accessories can be found in our accessories program.**

Technical Data

Satin-Finisher		GSI 14 CE
Article number		3 601 HB1 0..
Rated power input	W	1400
No-load speed	min^{-1}	750 – 3000
Max. outer diameter of application tool	mm	115
Max. width of application tool	mm	100
Mounting hole diameter	mm	19
Speed preselection		●
Soft start		●
Constant electronic control		●
Restarting Protection		●
Weight according to EPTA-Procedure 01/2003	kg	3.4
Protection class		⧈/II

The values given are valid for a nominal voltage [U] of 230 V. For different voltages and models for specific countries, these values can vary.

Noise/Vibration Information

Measured sound values determined according to EN 60745.

Typically the A-weighted noise levels of the product are:
Sound pressure level 89 dB(A); Sound power level 100 dB(A). Uncertainty K = 3 dB.
Wear hearing protection!

Vibration total values a_h (triax vector sum) and uncertainty K determined according to EN 60745:
$a_h = 5.0\ m/s^2$, $K = 1.5\ m/s^2$.

The vibration emission level given in this information sheet has been measured in accordance with a standardised test given in EN 60745 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.
The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.
Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep hands warm, organise work patterns.

Declaration of Conformity CE

We declare under our sole responsibility that the product described under "Technical Data" is in conformity with the following standards or standardization documents: EN 60745 according to the provisions of the directives 2011/65/EU, 2004/108/EC, 2006/42/EC.

Technical file (2006/42/EC) at:
Robert Bosch GmbH, PT/ETM9
D-70745 Leinfelden-Echterdingen

Henk Becker	Helmut Heinzelmann
Executive Vice President Engineering	Head of Product Certification PT/ETM9

ppa. i.V.

Robert Bosch GmbH, Power Tools Division
D-70745 Leinfelden-Echterdingen
08.06.2013

Assembly

▶ **Before any work on the machine itself, pull the mains plug.**

Dust/Chip Extraction

▶ Dusts from materials such as lead-containing coatings, some wood types, minerals and metal can be harmful to one's health. Touching or breathing-in the dusts can cause allergic reactions and/or lead to respiratory infections of the user or bystanders.
Certain dusts, such as oak or beech dust, are considered as carcinogenic, especially in connection with wood-treatment additives (chromate, wood preservative). Materials containing asbestos may only be worked by specialists.
– Provide for good ventilation of the working place.
– It is recommended to wear a P2 filter-class respirator.
Observe the relevant regulations in your country for the materials to be worked.

▶ **Prevent dust accumulation at the workplace.** Dusts can easily ignite.

Mounting the Auxiliary Handle and Dust Cover (see figure A)

Only work with the auxiliary handle **5** mounted.

– Loosen screw **2** of the dust cover **6** using the provided Allen key **14**.
– Place dust guard **6** onto the spindle flange. Move dust cover **6** accordingly to suit your working conditions and working position.

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– Tighten screw **2** again.
– Mount auxiliary handle **5** to dust cover **6**.

Mounting a Guide Roller (see figure B)

Mount guide roller **11** with the wing nuts **12** to the dust cover.

Mounting the Spindle Extension (see figure C)

– Press spindle lock **1** and mount spindle extension **10** using an open-end spanner (size 21 mm).
– Insert feather key **7** into spindle extension **10**.

Mounting Application Tools (see figure D)

– Press the spindle lock **1**.
– Slide the application tool onto the spindle extension. Ensure that the feather key **7** is tightly seated.
– Tighten locking screw **8**.

Pay attention that the arrow directions on the application tool and the housing of the power tool correspond.

Choice of Application Tool/Abrasive

Depending on the material to be worked and the required rate of material removal, different application tools/abrasives are available:

– Rollers with permanent abrasive
– Rollers for use with changeable sanding belts
– Deflection rollers for use with sanding belts

	Grain size	
For dry sanding and pre-sanding	coarse	40, 60
For structuring and for smoothing out minor unevenness	medium	80 Combination-fleece rollers
For satin-finishing and matt-finishing of metal surfaces	fine	120 – 240 Fleece rollers

Operation

Starting Operation

► **Observe the mains voltage! The voltage of the power source must correspond with the data on the type plate of the machine.**

Switching On and Off

To **start** the machine, press the On/Off switch **4** and keep it pressed.

To **lock** the pressed On/Off switch **4**, push the On/Off switch **4** further toward the front.

To **switch off** the power tool, release the On/Off switch **4**, or when it is locked, briefly press the On/Off switch **4** and then release it.

To save energy, only switch the power tool on when using it.

Preselecting the Speed

► **Operate with a speed adapted to the application, in order to prevent damage to the material.**

The required speed can be preselected with the thumbwheel **3** (also while running).

The required speed depends on the material and the working conditions and can be determined through practical testing.

► **When using fleece, do not work with a higher setting than speed stage 4 (max.). Otherwise, the fleece will become too hot.**

Working Advice

When sanding, the removal capacity and the surface quality are mainly determined by the abrasive selection as well as through the preselected speed.

Work with the lowest possible sanding pressure in order to increase the service life of the abrasive. Excessively increasing the sanding pressure does not lead to a higher sanding capacity, but to more wear of the power tool and the abrasive.

Work with moderate feed and perform the sanding parallel and overlapping with respect to the sanding paths.

To achieve a perfect surface, do not skip more than one grain size when selecting the abrasive.

Use only original Bosch sanding accessories.

Only proper abrasives achieve good sanding capacity and give the power tool longer service life.

► **Do not clamp power tools in the saw stand.** Clamped power tools and sharp-edged application tools may result in serious injury.

Storage of the Sanding Belts

Store sanding belts in their original packaging at 15 °C – 25 °C room temperature and 40 % – 70 % humidity.

Do not store sanding belts on concrete floors, close to open windows or heaters.

Do not bend or kink the sanding belts, otherwise they will become unusable.

Maintenance and Service

Maintenance and Cleaning

► **Before any work on the machine itself, pull the mains plug.**

► **For safe and proper working, always keep the machine and ventilation slots clean.**

Remove adherent sanding dust with a brush.

If the replacement of the supply cord is necessary, this has to be done by Bosch or an authorized Bosch service agent in order to avoid a safety hazard.

After-sales Service and Application Service

Our after-sales service responds to your questions concerning maintenance and repair of your product as well as spare parts. Exploded views and information on spare parts can also be found under:
www.bosch-pt.com
Bosch's application service team will gladly answer questions concerning our products and their accessories.

In all correspondence and spare parts order, please always include the 10-digit article number given on the type plate of the machine.